

RAW SEQUENCE LISTING

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Application Serial Number: 10/517,688
Source: PCT
Date Processed by STIC: 12-22-04

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PCT

RAW SEQUENCE LISTING

DATE: 12/22/2004

PATENT APPLICATION: US/10/517,688

TIME: 16:21:15

Input Set : A:\06275-421US1.txt

Output Set: N:\CRF4\12222004\J517688.raw

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3 <110> APPLICANT: Ambrose, Helen Jean
4      Dudley, Adam Jeston
7 <120> TITLE OF INVENTION: Methods for Detecting Polymorphisms Using ARMS or RFLP
9 <130> FILE REFERENCE: 06275-421US1
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/517,688
C--> 11 <141> CURRENT FILING DATE: 2004-12-10
11 <150> PRIOR APPLICATION NUMBER: PCT/GB03/02524
12 <151> PRIOR FILING DATE: 2003-06-10
14 <150> PRIOR APPLICATION NUMBER: GB 0213579.6
15 <151> PRIOR FILING DATE: 2002-06-13
17 <150> PRIOR APPLICATION NUMBER: US 60/388,812
18 <151> PRIOR FILING DATE: 2002-06-14
20 <160> NUMBER OF SEQ ID NOS: 17
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 24
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward
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34 aggccctgaa tgaatattag agaa                24
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64 <211> LENGTH: 24

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
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78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
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89 <210> SEQ ID NO: 6
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92 <213> ORGANISM: Artificial Sequence
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95 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
96     primer OATP8-3R
98 <400> SEQUENCE: 6
99 ctgcaggatc ttaatgggag gtt                23
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104 <212> TYPE: DNA
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117 <212> TYPE: DNA
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125 ctgcaggatc ttaatgggag gtt                23
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133 <220> FEATURE:
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135     primer OATP8-5F
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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
148     primer OATP8-5R
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156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward
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163 <400> SEQUENCE: 11
164 tgtaagccaa accaatggaa taat                24
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 24
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
174     primer OATP8-6R
176 <400> SEQUENCE: 12
177 accagaatgc ttgatacaat agtg                24
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 24
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward
187     primer OATP8-7F
189 <400> SEQUENCE: 13
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195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
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202 <400> SEQUENCE: 14
203 taatgtacgc ttcaatggaa aaat                24
206 <210> SEQ ID NO: 15

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207 <211> LENGTH: 500

208 <212> TYPE: DNA

209 <213> ORGANISM: Homo sapiens

211 <400> SEQUENCE: 15

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214 ctctatgaaa attatttttc taagcaaatt ataatctctt taggctagga gtttgtctct 180
215 gtctttcttc ctctgtgtcc agcattgacc tagtcctgtg gtcaggaaat agcaggccct 240
216 gaatgaatat tagagaatga ttgattgatt gatattgagc ttgtggcttt tcctattttt 300
217 aaattgtata ttgttaaagt aaaataaatt atactttttc ttttttaaca ggtgatcatt 360
218 tcaaaccaag catcagcaac aattaaaaat attcacttgg tatctgtagt ttaataatgg 420
219 accaacatca acatttgaat aaaacagcag agtcagcatc ttcagagaaa aagaaaacaa 480
220 gacgctgcaa tggattcaag                                     500

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223 <210> SEQ ID NO: 16

224 <211> LENGTH: 2646

225 <212> TYPE: DNA

226 <213> ORGANISM: Homo sapiens

228 <400> SEQUENCE: 16

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229 atcagcaaca attaaaatat tcacgtggta tctgtagttt aataatggac caacatcaac 60
230 atttgaataa aacagcagag tcagcatctt cagagaaaaa gaaaacaaga cgctgcaatg 120
231 gattcaagat gttcttggca gccctgtcat tcagctatat tgctaaagca ctaggtggaa 180
232 tcattatgaa aatttccatc actcaaatag aaaggagatt tgacatatcc tcttctcttg 240
233 ctggtttaat tgatggaagc tttgaaattg gaaatttgct tgtgattgta tttgtaagtt 300
234 actttggatc taaactacac agaccgaagt taattggaat tgggtgtctc cttatgggaa 360
235 ctggaagtat tttgacatct ttaccacatt tcttcatggg atattatagg tattctaaag 420
236 aaacccatat taatccatca gaaaattcaa catcaagttt atcaacctgt ttaattaatc 480
237 aaaccttata attcaatgga acatcacctg agatagtaga aaaagattgt gtaaagggaat 540
238 ctgggtcaca catgtggatc tatgtcttca tggggaatat gcttcgtggc ataggggaaa 600
239 ccccatagat accattgggg atttcataca ttgatgattt tgcaaaagaa ggacattctt 660
240 ccttgtattt aggtagtttg aatgcaatag gaatgattgg tccagtcatt ggctttgcac 720
241 tgggatctct gtttgctaaa atgtacgtgg atattggata tgtagatctg agcactatca 780
242 gaataactcc taaggactct cgttgggttg gagcttggtg gcttggtttc cttgtgtctg 840
243 gactattttc cattatttct tccataccat ttttttctt gccgaaaaat ccaaataaac 900
244 cacaaaaaga aagaaaaatt tcactatcat tgcattgtgt gaaaacaaat gatgatagaa 960
245 atcaaacagc taatttgacc aaccaaggaa aaaatgttac caaaaatgtg actgggtttt 1020
246 tccagtcttt gaaaagcatc cttaccaatc ccctgtatgt tatatttctg cttttgacat 1080
247 tgttacaagt aagcagcttt attggttctt ttacttacgt ctttaaataat atggagcaac 1140
248 agtacgggtc gtctgcatct catgctaact tttgttgagg aatcataacc attcctacgg 1200
249 ttgcaactgg aatgttttta ggaggattta tcattaaaaa attcaaattg tcttttagttg 1260
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251 tccctcta at ctgcgaaagc aaatcagttg ccggcctaac cttgacctat gatggaaata 1380
252 attcagtggc atctcatgta gatgtaccac tttcttattg caactcagag tgcaattgtg 1440
253 atgaaagtca gtgggaacca gtctgtggga acaatggaat aacttacctg tcacctgtgc 1500
254 tagcaggatg caaatcctca agtggtatta aaaagcatac agtggtttat aactgtagtt 1560
255 gtgtggaagt aactggtctc cagaacagaa attactcagc acacttgggt gaatgcccaa 1620
256 gagataatac ttgtacaagg aaatttttca tctatgttgc aattcaagtc ataaactctt 1680
257 tgttctctgc aacaggaggt accacattta tcttgttgac tgtgaagatt gttcaacctg 1740
258 aattgaaagc acttgcaatg ggtttccagt caatggttat aagaacacta ggaggaattc 1800
259 tagctccaat atattttggg gctctgattg ataaaacatg tatgaagtgg tccaccaaca 1860

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260 gctgtggagc acaaggagct tgtaggatat ataattccgt attttttggga aggggtctact 1920
261 tgggcttata tatagcttta agattcccag cacttggttt atatatgttt ttcatttttg 1980
262 ctatgaagaa aaaatttcaa ggaaaagata ccaaggcatc ggacaatgaa agaaaagtaa 2040
263 tggatgaagc aaacttagaa ttcttaaata atggatgaaca ttttgtacct tctgctggaa 2100
264 cagatagtaa aacatgtaat ttggacatgc aagacaatgc tgctgccaac taacattgca 2160
265 ttgattcatt aagatgttat ttttgagggtg ttcttggtct ttcactgaca attccaacat 2220
266 tctttactta cagtggacca atggataagt ctatgcatct ataataaact ataaaaaatg 2280
267 ggagtaccca tggtaggat atagctatgc ctttatgggt aagattagaa tatatgatcc 2340
268 ataaaattta aagtgaagagg catggttagt gtgtgataca ataaaaagta attggttggg 2400
269 agttgtaact gctaataaaa ccagtgacta gaatataagg gaggtaaaaa ggacaagata 2460
270 gattaatagc ctaaataaag agaaaagcct gatgccttta aaaaatgaaa cactttggat 2520
271 gtattactta ggccaaaatc tggcctggat ttatgctata atatatattt tcatgttaag 2580
272 ttgtatatatt ttcagaaatt ataaatatta ttaatttaaa attcgaaaaa aaaaaaaaaa 2640
273 aaaaaa 2646

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276 <210> SEQ ID NO: 17

277 <211> LENGTH: 702

278 <212> TYPE: PRT

279 <213> ORGANISM: Homo sapiens

281 <400> SEQUENCE: 17

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285 Glu Lys Lys Lys Thr Arg Arg Cys Asn Gly Phe Lys Met Phe Leu Ala
286           20           25           30
288 Ala Leu Ser Phe Ser Tyr Ile Ala Lys Ala Leu Gly Gly Ile Ile Met
289           35           40           45
291 Lys Ile Ser Ile Thr Gln Ile Glu Arg Arg Phe Asp Ile Ser Ser Ser
292           50           55           60
294 Leu Ala Gly Leu Ile Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val
295   65           70           75           80
297 Ile Val Phe Val Ser Tyr Phe Gly Ser Lys Leu His Arg Pro Lys Leu
298           85           90           95
300 Ile Gly Ile Gly Cys Leu Leu Met Gly Thr Gly Ser Ile Leu Thr Ser
301           100          105          110
303 Leu Pro His Phe Phe Met Gly Tyr Tyr Arg Tyr Ser Lys Glu Thr His
304           115          120          125
306 Ile Asn Pro Ser Glu Asn Ser Thr Ser Ser Leu Ser Thr Cys Leu Ile
307           130          135          140
309 Asn Gln Thr Leu Ser Phe Asn Gly Thr Ser Pro Glu Ile Val Glu Lys
310   145          150          155          160
312 Asp Cys Val Lys Glu Ser Gly Ser His Met Trp Ile Tyr Val Phe Met
313           165          170          175
315 Gly Asn Met Leu Arg Gly Ile Gly Glu Thr Pro Ile Val Pro Leu Gly
316           180          185          190
318 Ile Ser Tyr Ile Asp Asp Phe Ala Lys Glu Gly His Ser Ser Leu Tyr
319           195          200          205
321 Leu Gly Ser Leu Asn Ala Ile Gly Met Ile Gly Pro Val Ile Gly Phe
322           210          215          220
324 Ala Leu Gly Ser Leu Phe Ala Lys Met Tyr Val Asp Ile Gly Tyr Val
325   225          230          235          240

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VERIFICATION SUMMARY

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Input Set : A:\06275-421US1.txt

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date